Abstract of the Disclosure

An image processing apparatus supporting
both discrete wavelet transform and discrete
cosine transform with reduced hardware resources.
The image processing apparatus is composed of an
5 input unit receiving a plurality of pixel data, a
controlling unit selecting a desired transform
from among discrete wavelet transform and
discrete cosine transform, and providing a
plurality of coefficients depending on the
10 desired transform, and a processing unit which
processes the pixel data using the plurality of
coefficients to achieve the desired transform.